



Stormwater Master Plan



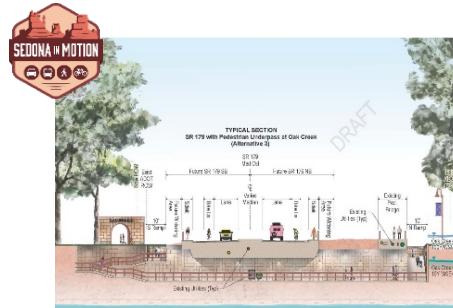
SIM 1 -Uptown Roadway
Improvements



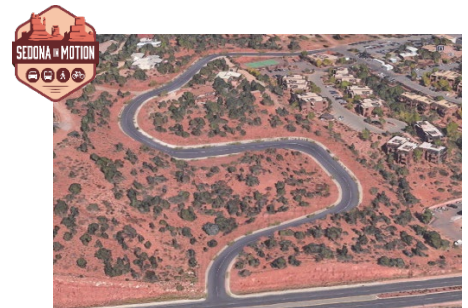
PD Shooting Range



SIM 3A & 3B - Uptown Parking
Wayfinding, and One-Way



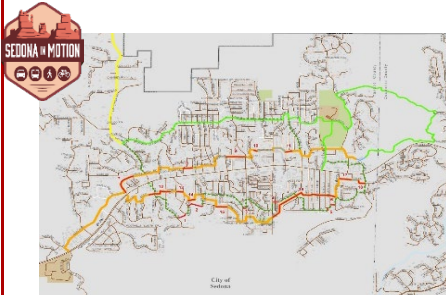
SIM 4C - Pedestrian Crossing
at Tlaquepaque



SIM 5B - Forest Road
Connection



City of Sedona Public Works Department Capital Improvements Plan (CIP)



SIM 11A - Bicycle & Pedestrian
Improvements



SIM 12A - Traveler Information
Traffic Data Services



WWRP Tertiary Filters

December 2019 - FY20 Project Updates

WEB
LINK:
www.sedonaaz.gov/CIP



FY20 CIP Update

December 2019 - Updates

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City of Sedona
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WWRP Administrative Building Remodel

FY20 CIP Update



KEY FEATURES:

Consultant: Don Woods Architect

Contractor: Skyline Builders

Timing: FY 19 - 20

Construction Challenges:

- Accommodating staff work space during construction

Project Manager:

Robert Welch, PE
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City Engineer:

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\$ FY20 Project Budget: \$84,500

Total Project Budget: \$343,500

The administrative building at the Wastewater Reclamation Plant was constructed in 1999. Since that time, the department has undergone organizational changes resulting in the need for more offices, additional storage space, more secure space for SCADA computers and IT network servers, and a larger meeting room.

The remodel will entail a small building addition and reallocation of space to provide for a larger conference room, new offices, a secure SCADA/IT room, and added storage. Remodel efforts will also include replacing current light fixtures with new energy efficient LED lighting and smart controls that incorporate occupancy sensing and daylight harvesting control technologies for added energy conservation. Added office space, security of computer network servers, and security of SCADA systems supporting automated operations of the WWRP are essential components of the remodel.

Status: Construction is complete.

The construction included a minor building addition together with new wall partitioning to reallocate interior space for larger conference room, additional offices, copier/reproduction room, and filing.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	100%	Winter 2018
Construction	100%	August 2019



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Courtroom Remodel

FY20 CIP Update



KEY FEATURES:

Consultant: Don Woods Architect

Contractor: TBD

Construction Challenges:

- Efficiently utilize space to create a functional court house

Project Manager:

Ryan Mortillaro, PE
 (928) 203-5091

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City Engineer:

J. Andy Dickey, PE
 (928) 203-5039

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\$ FY20 Project Budget: \$271,907

Total Project Budget: \$271,907

The court and City Council often compete for the usage of the existing court chambers at City Hall. As court usage steadily increases, the need for a dedicated full time court house is becoming a basic need. The extent of this project is to remodel the interior of the building on 55 Sinagua Drive. This will be a full remodel and will ensure court functions and needs are met.

Status: Bid opening occurred on January 30, 2019 and no successful bids were received. Staff obtained an additional proposal, which did not meet budgetary needs. Re-strategization is necessary before moving forward with the project. This project is currently on-hold until further notice. Staff will be meeting to re-strategize in January 2020.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	100%	December 2018
Construction	0%	TBD



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PD Facility Renovation

FY20 CIP Update



KEY FEATURES:

Consultant: Gabor Lorant Architects, Inc.

Contractor: TBD

Construction Challenges:

- Remodel with minimal disruption to Police Department function
- Meet the police department's needs and create a functional and efficient floor plan.

Project Manager:

Ryan Mortillaro, PE
 (928) 203-5091

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City Engineer:

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\$ FY20 Project Budget: \$229,019

Total Project Budget: \$2,511,168

The Police Department has determined the need to efficiently remodel underutilized floor space. This project will assess the full needs of the Police Department, and may result in a full remodel of the existing station, and the addition of new floor space.

Status: The design contract with Gabor Lorant Architects, Inc. was approved at the November 26, 2019 Council Meeting. The kick-off meeting with the consultant and staff was completed. Police staff is working to identify key components of the Needs Assessment to move forward. Public Works staff is working to identify alternative expansion areas.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	0%	FY21
Construction	0%	FY22



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PD Shooting Range Improvements Phase II

FY20 CIP Update



KEY FEATURES:

Consultant: In-House, Lyon Engineering

Contractor: Caruso Construction, Inc

Construction Challenges:

- N/A

Project Manager:
 Ryan Mortillaro, PE
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City Engineer:
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\$ FY20 Project Budget: \$164,954
Total Project Budget: \$164,954

The Police Department has determined the need for a more functional shooting range facility. The shooting range will see improvements to restroom facilities, storage, and an additional briefing/presentation room. This phase will construct a potable water well, provide water and sewer service to the modular classroom, upgrade site lighting, and installation of associated electrical equipment.

Status: The well drilling has been completed at a depth of 880'. The well will now be equipped and constructed. Change order has been executed to replace the proposed SDR well casing to steel casing. The new casing is currently being installed.

For a copy of this update, or updates for other projects, visit the projects website at:
www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	100%	June 2019
Construction	25%	February 2020



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Stormwater Master Plan Update

FY20 CIP Update



KEY FEATURES:

Consultant: TBD

Contractor: N/A

Timing:

Phase I: FY 2020

Phase II: FY 2021

Phase III: FY 2022

Construction Challenges

N/A

Project Manager:

David Peck, EIT

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City Engineer:

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\$ FY20 Project Budget: \$100,000

Total Project Budget: \$400,000

In FY20, we will begin an update of the 2005 Stormwater Master Plan (Phase I). This Stormwater Master Plan Update (SWMPU) will include looking at facility improvements and priorities. This will also account for the infrastructure completed since the 2005 Plan was complete and will include public outreach to identify new problem areas.

In FY21, we will continue to update the Master Plan (Phase II) to include hydrology and the study of existing conditions in problem areas. The estimated costs of potential improvements will be determined as well. Final priorities will be determined.

In FY22, we will complete the SWMPU (Phase III) to include remapping of the floodplains reduced by previous storm drainage improvement projects.

The City has an IGA with the Yavapai County Flood Control District (YCFCD) in which the YCFCD will be covering the \$100,000 budget for the consultant cost in FY20.

Status: Phase I of this SWMPU is budgeted in FY20, Phase II is budgeted in FY21, and Phase III is budgeted in FY22. JE Fuller, Inc. was selected as our consultant through a qualifications-based selection process to perform all three of the phases for this SWMPU. They will be using BetaPr out of Flagstaff as a subconsultant for the public outreach effort. Our contract with JE Fuller started on 10/17/19, and the contract amount is \$79,017 for Phase I. Open House in Council Chambers 1/16/20, 5PM - 7PM.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
SWMP Update – Phase I	35%	FY20
SWMP Update – Phase II	0%	FY21
SWMP Update – Phase III	0%	FY22



City of Sedona
Public Works Department
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Sunset Drive Crossing Drainage Improvements

FY20 CIP Update



KEY FEATURES:

Consultant: JE Fuller, Inc.

Contractor: TBD

Timing:

Design: FY 2020

Construction: FY 2021

Construction Challenges

- Commercial & Park Access
- Maintenance of Utilities
- Maintenance of Drainage
- Maintenance of Traffic

Project Manager:

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City Engineer:

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\$ FY20 Project Budget: \$135,350

Total Project Budget: \$1,150,750

This project includes design and installation of storm drainage improvements at the low-water crossing on Sunset Drive. These storm drainage improvements will provide crossing capacity underneath the roadway for the 25-year runoff event and a new shared-use-path between S. Monte Verde Drive and Sunset Park. The profile of the road will be raised 8' to 10' at the wash crossing, providing a smoother driving transition. The project may also incorporate some traffic calming strategies to reduce vehicular speeds in this area of Sunset Drive. A Sidewalk/Public Access Easement on the west side of Sunset Drive for the pedestrian connection was acquired by the City in 2006.

The City has an IGA with the Yavapai County Flood Control District (YCFCD) in which the YCFCD will be covering \$100,000 of the design cost and \$350,000 of the construction cost of this project.

Status: The design work for this project is budgeted in FY20. The design process began with JE Fuller, Inc. in August 2019. The construction for this project is budgeted in FY21. Based on hydrology and hydraulics calculations during this design effort, it is anticipated that we will be installing a concrete arch culvert with an 8' x 20' opening.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	40%	FY20
Construction	0%	FY21



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Sedona in Motion 1 – Uptown Roadway Improvements

FY20 CIP Update



KEY FEATURES:

Consultant: Kimley-Horn

Contractor: Eagle Mountain
Construction

Timing: April 2018 – June 2020

Construction Challenges:

- Heavy vehicular and pedestrian traffic
- Land acquisition
- Traffic Control

Project Manager:

Stephen Craver, PE
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City Engineer:

J. Andy Dickey, PE
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\$ FY20 Project Budget: \$4,001,607
Total Project Budget: \$4,856,172

This project is a result of the Transportation Master Plan. It was identified by Council as the highest priority project. The project will include construction of a raised median with a decorative barrier and landscaping; construction of a roundabout at the north end of Uptown; construction of an additional southbound travel lane on SR 89A through Uptown; construction of a roundabout on SR 89A at Jordan Road; development of a new access to public parking via Schnebly Road; and traffic signal alterations. A Construction Manager at Risk (CMAR) contract with Eagle Mountain Construction (EMC) was approved by City Council on May 29th, and construction activities began on June 3, 2019.

Status: To date, the contractor has completed the Jordan roundabout, improvements at the Forest Road intersection, improvements on the west side of SR 89A including a dry-stacked rock wall in front of Clear Creek Trading Company, excavation for the Schnebly connector, work at Apple Avenue, and has begun placing curb for the northern roundabout. Upcoming activities include work at midblock, additional curb at the northern roundabout, and placing the first median segment between Forest Road and the Jordan roundabout. Submittals for a public roundabout art competition have been reviewed by a selection committee and the preferred choice was approved by Council on December 10.

For more information on this project please visit the project website at simuptown.com.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	100%	May 2019
Construction	50%	June 2020



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Sedona in Motion 3A, 3B – Uptown Parking, Wayfinding, and One-Way

FY20 CIP Update



KEY FEATURES:

Consultant: Axia Creative (wayfinding)
 Kimley-Horn (one-way streets)
 Walter P Moore (parking garage)

Contractor: TBD

Timing: July 2018 – FY 20

Construction Challenges:

- ADOT approval and siting for signage
- Width of Uptown roadways
- Maintenance of access

Project Manager:

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City Engineer:

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 (928) 203-5039
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\$ FY20 Project Budget: \$410,000

Total Project Budget: \$719,598

This project is a result of the Transportation Master Plan. This project consists of providing branded vehicular and pedestrian wayfinding throughout the City, and parking improvements in the Uptown area. In response to multiple concerns from residents and police department personnel related to parking issues, this strategy includes analysis for conversion of Van Deren, Wilson, and Smith Roads into one-way streets. Although it is recognized that this conversion to one-way may reduce convenience and efficiency of trips, it would potentially allow adequate space for safer parking and pedestrian/biking traffic.

Status: The next phase of vehicular wayfinding has begun for branded vehicular wayfinding throughout the entire city to indicate points of interest including parks and trailheads. Pedestrian kiosks have been installed throughout Uptown to provide wayfinding to parking and points of interest. An online survey for design of monument signs at entry points to the City has been completed and concepts will be presented to Council in February. Kimley-Horn has completed a preliminary analysis of one-way streets in Uptown for Van Deren, Wilson, and Smith Roads. Staff is reviewing the findings, and an outreach effort with residents in this area will be initiated in conjunction with the Uptown CFA. Walter P. Moore has completed the parking garage siting study. The recommendations were presented to Council on December 10. Staff is working on refining recommendations to be brought back to Council in February.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	80%	TBD
Construction	10%	TBD



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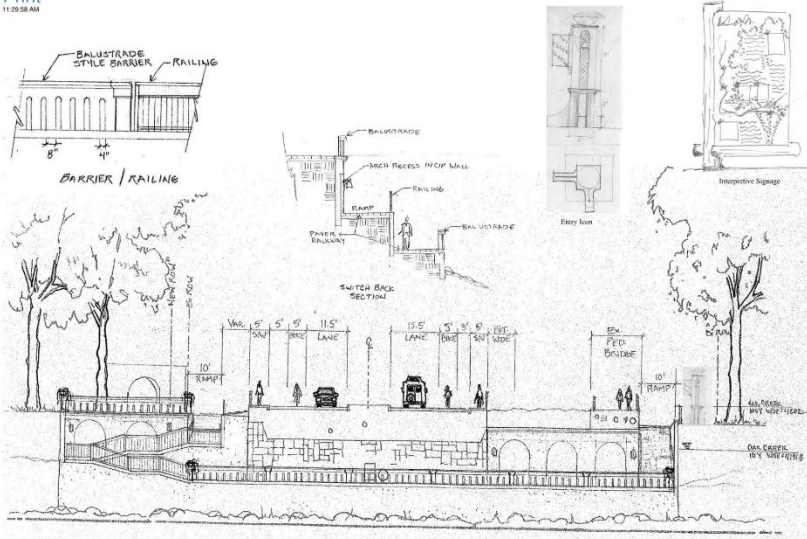


Sedona in Motion 4C – Pedestrian Crossing at Tlaquepaque

FY20 CIP Update

Alternative 3- Local Architecture Concept Design

Draft Print
12/17/2019 11:29:58 AM



KEY FEATURES:

Consultant: JE Fuller/WSP

Contractor: TBD

Timing: FY 2018 – FY 2024

Construction Challenges:

- Heavy vehicular and pedestrian traffic
- Land acquisition
- Potential for restricted work hours
- Floodplain
- Property impacts
- Utility impacts

Project Manager:

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City Engineer:

J. Andy Dickey, PE
(928) 203-5039

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\$ FY20 Project Budget: \$252,500

Total Project Budget: \$2,261,100

This project is one of the transportation projects identified in the Transportation Master Plan and by Council as a priority. The project proposes construction of a pedestrian bridge, tunnel, or other pedestrian crossing of State Route 179 between Oak Creek and SR 89A. A Feasibility Study was recently completed for the crossing which identified alternatives and provided a recommendation for a crossing type.

Status: The Project is currently under design and is in the initial stages of development. The design consultant has been engaged in developing survey base mapping of the site, field reconnaissance, subsurface utility and geotechnical investigations. Artistic draft concepts for the pedestrian crossing have recently been developed and reviewed by staff. Additional review and input on the concepts is being sought from stakeholders. The pedestrian crossing aesthetics are a key initial step in the development and serve to shape the design of the project.

The overall schedule for design and permitting is expected to take 12 months to complete. Staff and WSP will be coordinating the design with the State (ADOT) and Federal agencies, as well as local stakeholders, to develop comprehensive plans and specifications for the construction.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	20%	October 2020
Construction	0%	FY 21

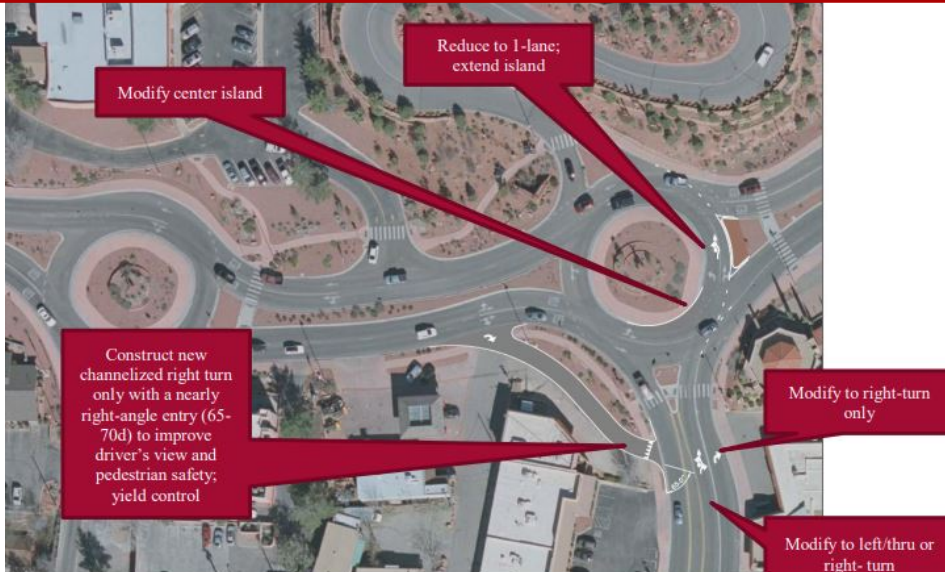


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Sedona in Motion 4D – SR 89A & SR 179 Y Roundabout Bypass Lanes

FY20 CIP Update



KEY FEATURES:

Consultant: ADOT In-House Design

Contractor: TBD

Timing: July 2018 – FY 22

Construction Challenges:

- Potential land acquisition
- Maintenance of traffic/access
- Maintaining available parking

Project Manager:

Stephen Craver, PE

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City Engineer:

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\$ FY20 Project Budget: \$300,650

Total Project Budget: \$2,392,614

This project is a result of the Transportation Master Plan. The project consists of dedicated right turn lanes toward southbound SR 179, and toward Uptown, at the “Y” roundabout. The turn lanes could be separated from the roundabout by a narrow median. This allows those specific turning movements to bypass the roundabout. The right turns can be made more efficiently because it only requires a merge at the end of the lane rather than a full yield to enter the roundabout, and it also removes those vehicles from the overall capacity of the roundabout. ADOT Northcentral district was awarded competitive district minor project funding, with in-house design starting in FY 19. ADOT will be the lead jurisdiction on the project but the City has committed to contribute 50% of the overall funding. An IGA with ADOT formalizing the City’s contribution was approved at the October 23, 2018 City Council meeting. The IGA was approved by the State Transportation Board on May 17, 2019. A project kick-off meeting, along with a meeting with adjacent property owners and stakeholders, was held on June 3 to get their input about the project. Field survey was completed in July.

Status: Staff is working with ADOT to refine the public involvement plan for the project. The design team is finalizing an alternatives analysis and modeling of various scenarios to minimize parking/access impacts to adjacent properties. The most recent iteration is shown above. A scoping memo is expected to be sent to stakeholders in February 2020. Current anticipation is that construction would start in June 2021.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	20%	December 2020
Construction	0%	FY22

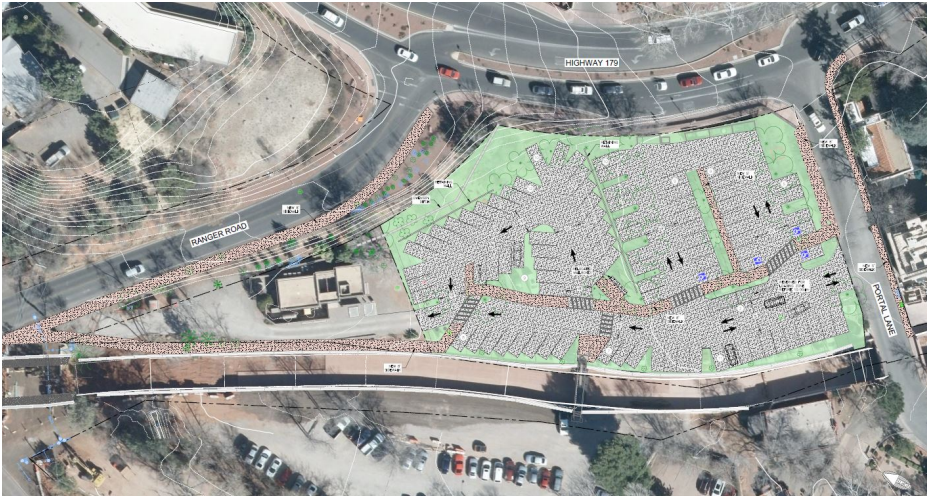


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Sedona in Motion 5A – Portal-Brewer-Ranger Connection

FY20 CIP Update



KEY FEATURES:

Consultant: Shephard-Wesnitzer (SWI)

Contractor: TBD

Timing: June 2018 – FY 20

Construction Challenges:

- Land acquisition
- Maintenance of parking / traffic
- Proximity to Soldier Wash

Project Manager:

Stephen Craver, PE
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City Engineer:

J. Andy Dickey, PE
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\$ FY20 Project Budget: \$300,000

Total Project Budget: \$755,513

This project is a result of the Transportation Master Plan. It was identified by Council as a high priority project. The project considers directing exiting vehicles on to Ranger Road and/or Brewer Road during high peak tourist seasons, and during special events. This will greatly reduce the number of vehicles needing to make a U-turn at the Schnebly Hill roundabout, which will reduce congestion and improve travel time for northbound SR 179. Land acquisition may be necessary to make this a public connection. A contract has been executed with SWI to conduct a feasibility study and design of the preferred location of connections. A kickoff meeting was held on July 26, 2018.

Status: Staff is collaborating with Tlaquepaque to explore potential changes to the Portal Lane parking lot that could improve flow and capacity. SWI is under contract to identify preferred alignments and prepare final design. 60% plans are currently being reviewed by staff. The current concept optimizes movements within the parking lot and forces vehicles to exit through the lift station parcel to Ranger Road. It also includes a shared-use path, while protecting all mature trees. This concept was presented to Council in late October, and staff was directed to move forward. A test of this connection was conducted by City staff in cooperation with Tlaquepaque from mid to late April. The lift station gate was opened, and signage was in place directing vehicles headed toward West Sedona or Uptown. Staff is still analyzing the results of the test, but initial observations and feedback were positive.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	60%	April 2019
Construction	0%	TBD

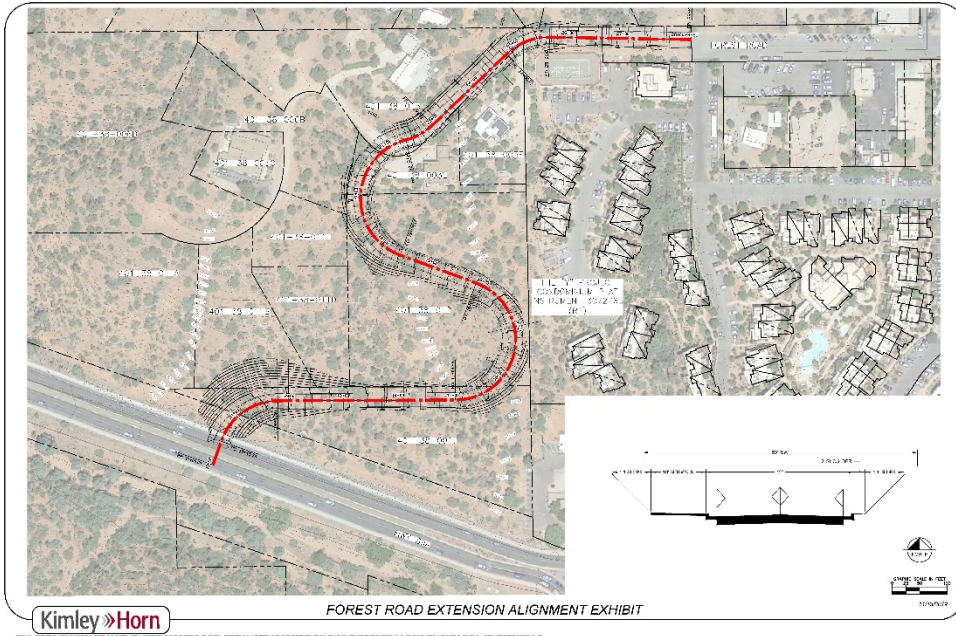


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Sedona in Motion 5B – Forest Road Connection

FY20 CIP Update



KEY FEATURES:

Consultant: Kimley-Horn and Associates (KHA)

Contractor: TBD

Timing: December 2017 – FY 2021

Construction Challenges:

- Extremely steep slopes
- Land acquisition

Project Manager:

Robert Welch, PE
 (928) 203-5059

SCraver@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE
 (928) 203-5039

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\$ FY20 Project Budget: \$1,205,800

Total Project Budget: \$3,144,900

This project is a result of the Transportation Master Plan. It was identified by Council as a high priority project. The connection provides an alternative transportation corridor for residents living in the Uptown area, when traveling to and from West Sedona. Land acquisition will be necessary to make this a public connection. A final Feasibility/Concept Design for Forest Road Connection identified two alignment options. Staff received direction from City Council to pursue Alignment Option 1, which extends Forest Road westerly and then southerly to connect with SR 89A approximately 300 feet west of the Brewer Road roundabout.

Status: The project is in the initial stages of design, with Kimley-Horn and Associates as the design consultant. The consultant is currently in the process of developing survey base mapping, acquisition of subsurface utility data and geotechnical data. An initial alignment for Forest Road has been developed by the consultant and will be presented for review and input from project stakeholders. Stakeholder meetings are planned for the month of January. The schedule for design is anticipated to take approximately one year to complete.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	15%	October 2020
Construction	0%	FY 21



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Sedona in Motion 8 – Enhanced Transit Service - Tourism

FY20 CIP Update



KEY FEATURES:

Consultant: LSC Transportation Consultants, Inc.

Contractor: TBD

Timing: July 2018 – FY 20

Construction Challenges:

- Bus stop locations
- Park and ride lot locations

Project Manager:
 Stephen Craver, PE
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City Engineer:
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\$ FY20 Project Budget: \$1,120,000
Total Project Budget: \$51,300,000

This project is a result of the Transportation Master Plan. It was identified by Council as a high priority project. This project consists of providing enhanced transit from the Village of Oak Creek, continuing north on SR 179 and SR 89A in to Oak Creek Canyon. It could include periodic stops and park and ride lots, and trailhead service. The Technical Advisory Committee (TAC) for the project includes representatives from City staff, ADOT, US Forest Service, AZ State Parks, Coconino County, Verde Lynx, Sedona Fire District, and the Sedona Chamber of Commerce.

Status: The study was completed in mid-October. At the October 23, 2019 meeting, City Council approved a full-time position dedicated to advancing the city's transit planning and conducting financial partnership discussions with other area governments. The first step will be implementation of Phase 1, which extends the core routes and includes a service to specific trailheads.

For more information on this project, visit the project website at: www.sedonaaz.gov/Transit.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	100%	October 2019
Construction	0%	TBD

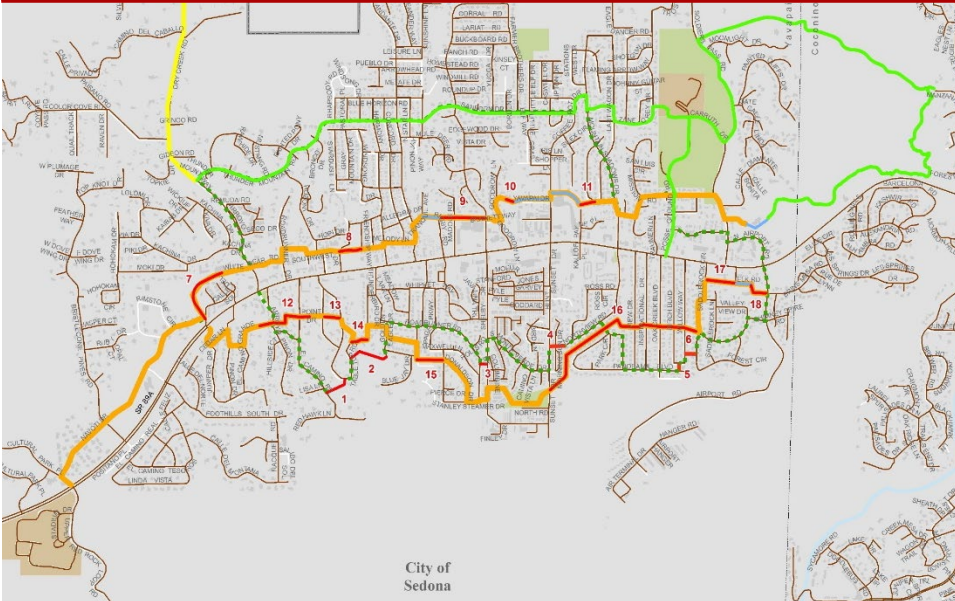


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Sedona in Motion 11A – 11I – Bicycle and Pedestrian Improvements

FY20 CIP Update



KEY FEATURES:

Consultant: Shephard-Wesnitzer (SWI)

Contractor: TBD

Timing: July 2018 – FY 2020

Construction Challenges:

- Easement/Land acquisition
- Developing connections within existing Right of Way.

Project Manager:

James Crowley EIT, RLS
 (928) 203-5092

JCrowley@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE
 (928) 203-5039

ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$185,000

Total Project Budget: TBD

This project is a result of the Transportation Master Plan. It was identified by Council as a high priority project. The project is in process and currently exploring opportunities. Public Works staff is collaborating with Community Development staff to identify early projects and focus areas. A scope of work has been developed by a local consultant to provide construction plans for several high priority areas:

- Chapel Road – from SR-179 ROW to Cathedral Lane. (In design)
- Dry Creek Road – from the FS-152 to Two Fences Trail Head. (In design)
- Navoti Drive to Dry Creek Road – bike and pedestrian path connector. (In design)
- Schnebly Hill Road – from the roundabout along the west side of Schnebly Hill Road to Bear Wallow Lane. (In design)
- Shelby Drive – bike lane on west side, from State Route 89A to the entrance to Sunset Park.
- Southwest Drive – from the Dry Creek Road along Southwest Drive to Rodeo Road.
- Sunset Park – from the Shelby Drive thru Sunset Park to Sunset Drive (Completed).

Status: A contract has been executed with SWI to conduct a feasibility study and preliminary design to identify the preferred location of the paths and connections. Staff is currently focused on identifying project opportunities and needs with stakeholder input in order to capture all appropriate components of the feasibility analysis. Preliminary alignments have been identified and are being assessed. The Sunset Park connection is complete and open for use. For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	65%	March 2019
Construction	5%	TBD

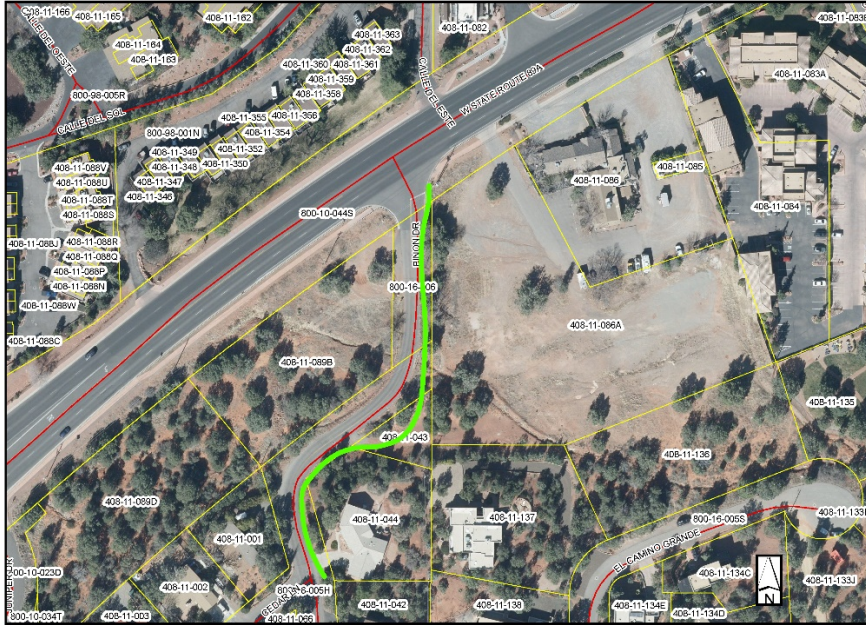


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Sedona in Motion 11J - Pinon Drive Bicycle and Pedestrian Improvements

FY20 CIP Update



KEY FEATURES:

Consultant: Babbitt Nelson Engineering

Contractor: TBD

Timing: FY 2020

Construction Challenges:

- Encroachments into private property will likely occur with homeowners and the Pinon Loft Apartment development.
- Easement/land acquisition.

Project Manager:
 Ryan Mortillaro, PE
 (928) 203-5091
RMortillaro@SedonaAZ.gov

City Engineer:
 J. Andy Dickey, PE
 (928) 203-5039
ADickey@SedonaAZ.gov

\$ FY20 Project Budget: TBD
Total Project Budget: TBD

This project is a result of the overall recommendations of the Transportation Master Plan to create 10' wide urban shared-use paths where possible which will eventually connect citywide. This project will result in a 10' urban shared-use path beginning from SR 89A and Pinon Drive all the way down to Cedar Lane and Pinon Drive.

Status: Babbitt Nelson Engineering is currently finalizing the design for this pathway. When the final plans are prepared, the affected property owners will be notified of the changes and the city will accept input and execute easement agreements.

The city has requested changes to the intersection geometry that will affect the design and final engineering plan, incorporating those changes is expected in early January.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	95%	January 2020
Construction	0%	April 2020



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Sedona in Motion 11G – Thunder Mountain/Sanborn SUP and Drainage Imp FY20 CIP Update



KEY FEATURES:

Consultant: Shepherd-Wesnitzer, Inc.

Contractor: Tiffany Construction Co. for drainage. The contractor for the shared use path is TBD.

Timing:

Design: FY 2020
 Construction: Drainage, FY 2020
 Shared Use Path, FY 2021

Construction Challenges

- Residential Access
- Maintenance of Utilities
- Maintenance of Drainage
- Maintenance of Traffic

Project Manager:

David Peck, EIT
 (928) 204-7108
DPeck@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE
 (928) 203-5039
ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$1,492,570
Total Project Budget: \$2,312,570

This project includes design and construction of a 10-foot wide shared use concrete path (SUP) from the east end of the Thunder Mountain Subdivision to Coffee Pot Drive (one-mile) along the south side of the roadway. The pathway portion of this project will be designed during FY20 and constructed during FY21. The project also involves design and installation of storm drainage improvements along Thunder Mountain Road from Rhapsody Road to Andante Drive (aka Harmony/Windsong Phase 5). Other drainage related work will be necessary to accommodate the SUP as it continues east of Andante Drive to Coffee Pot Drive. The City has an IGA with the Yavapai County Flood Control District (YCFCD) in which the YCFCD will be covering \$150,000 of the FY20 design/construction cost of the drainage portion of the project.

This same one-mile stretch of roadway is scheduled for milling and repaving along with new Sedona Red concrete curb & gutter along the south side during FY21. STBG funds in the amount of \$353,454 will be used toward this separate "Sanborn Drive/Thunder Mountain Road Overlay Project".

Status: The design work for this project is budgeted in FY20, and started in July 2019 with local consultant SWI, Inc. The construction for the drainage portion of this project is budgeted in FY20, while the construction of the SUP portion of this project is budgeted in FY21. We also have a contract with Kimley-Horn, Inc. regarding fine details for the SUP. A letter regarding this project was mailed to residents on 7/9/19. We will be knocking and talking in January 2020. An Open House is forthcoming (March 2020).

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	70%	FY20
Construction	0%	FY20 & FY21



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Sedona in Motion 12A, 12B – Traveler Information – Traffic Data & Video Services

FY20 CIP Update



KEY FEATURES:

Consultant: Verizon Smart Cities
 (Travel Time)

SEC, Inc. (camera installation)

Contractor: TBD

Timing: July 2018 – FY 20

Construction Challenges:

- Communications capabilities

Project Manager:
 Stephen Craver, PE
 (928) 203-5059
SCraver@SedonaAZ.gov

City Engineer:
 J. Andy Dickey, PE
 (928) 203-5039
ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$30,000
Total Project Budget: \$1,047,000

This project is a result of the Transportation Master Plan (TMP). It was identified by Council as a high priority project. This project consists of providing real-time information to travelers through a variety of methods.

Status: The travel time information signage as shown in the image above is being displayed by ADOT on overhead Digital Message Signs on the I-17 corridor as of December 11, 2018. Current travel times for those signs can be viewed by visiting AZ511.gov. Staff is working with ADOT to ensure the messaging is accomplishing the goals of reducing travel times and congestion within the City, as well as partnering on opportunities for additional signage. A camera has been installed along SR 179 near Tlaquepaque to allow residents and tourists to view current traffic conditions. IT is working on how to make the camera publicly viewable. Staff is pursuing other locations for cameras as well. FY20 budget is for installation of these cameras. Verizon Traffic Data Solutions is providing ongoing travel time information to gauge congestion frequency/duration, and gauge benefits of completed projects. This data will also provide ongoing origin-destination data that will be valuable for other projects and tourism metrics. Verizon is currently working to calibrate travel time data that has been collected and refine the functionality of the web platform. The first quarterly origin-destination report has been received and is being reviewed by staff.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	60%	TBD
Construction	0%	TBD



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Shelby Drive Roadway Improvements

FY20 CIP Update



KEY FEATURES:

Consultant: Kimley-Horn and Associates, Inc. (Design)
 Shephard Wesnitzer, Inc. (Survey)
Contractor: TBD

Construction Challenges:

- Minimal disturbance to businesses.
- Right-of-way dedication to the city of Sedona

Project Manager:
 Ryan Mortillaro, PE
 (928) 203-5091
RMortillaro@SedonaAZ.gov

City Engineer:
 J. Andy Dickey, PE
 (928) 203-5039
ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$250,000
Total Project Budget: \$1,250,000

This project is a result of the recommendations as laid out by the Sunset Live/Work Community Focus Area (CFA). The CFA identified the portion of Shelby Drive within the AAA Industrial Park subdivision as a key area for economic development and improvement. As this roadway is privately owned the roadway will need to be dedicated as public right-of-way for the project to succeed. If the roadway is dedicated to the public, it will be improved with new pavement, curbs, gutters, and sidewalks, as well as bringing sewer service. The city received a grant from the State of Arizona for \$500,000 to put toward this project. All property owners who responded have expressed support for the project, however some have not responded.

Status: Kimley-Horn has prepared 60% plans. The proposed right-of-way will increase from 40' to 45' and include a 10' wide shared use path on the north side of Shelby Drive extending from Sedona Recycles to Sunset Drive. The majority of property owners have been met with and support the project and design. The city is in process of acquiring deed to the northwest portion of the private roadway.

For a copy of this update, or updates for other projects, visit the projects website at:
www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	60%	March 2020
Construction	0%	Anticipated December 2020



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Mystic Hills & Chapel Lift Station Replacement

FY20 CIP Update



KEY FEATURES:

Consultant: Sunrise Engineering, Inc.

Contractor: Kinney Construction Services, LLC

Timing: April 2018 – February 2020

Construction Challenges:

- Maintaining operation during construction

Project Manager:

Robert Welch, PE
(928) 203-5120
BWelch@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE
(928) 203-5039
ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$2,088,100

Total Project Budget: \$2,834,800

A condition assessment and capacity analysis of Sedona's wastewater collection system, completed as part of the Wastewater Master Plan Update, led to identification of several improvements needed in the collection system. Among those was the need to improve the pumping capacity of the Mystic Hills and Chapel Lift Stations.

This project will provide for design and construction to increase both the wet well volume and pumping capacity for both the Mystic Hills and Chapel lift stations.

Status: With the lift station structure in place for the Mystic Hills site, the focus of construction has shifted to installation of pumps, piping, valves, electrical components, block wall enclosure and other site work. At the Chapel site work has begun on setting up bypass pumping operations. It is anticipated that the bypass pumping will have been tested and made operational the beginning of January at which time removal/demolition of the existing lift station facilities will begin.

[The above picture is a view down into the underground pump chamber (aka wet well, approximately 16 feet deep) of the lift station. Two, 72 hp submersible wastewater pumps, capable of pumping a combined 1,220 gallons per minute will be located at the bottom.]

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	100%	January 2019
Construction	35%	February 2020



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WWRP Tertiary Filters Upgrade

FY20 CIP Update



KEY FEATURES:

Consultant: Carollo Engineers, Inc.

Contractor: Strategic Construction Solutions, Inc.

Construction Challenges:

- Maintaining operation during construction

Project Manager:

Roxanne Holland, PE
 (928) 203-5069
RHolland@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE
 (928) 203-5039
ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$1,221,632
Total Project Budget: \$1,916,372

The tertiary filters at the Wastewater Reclamation Plant (WWRP) are essential to the treatment process. Currently the tertiary filters consist of sand filters, which are part of the original design of the WWRP. Recently, inefficiencies of the filters have surfaced, and costly repairs are needed.

Carollo Engineers prepared a Preliminary Design Report (PDR) which evaluated the efficiencies, capital cost, and operating cost of rehabilitating the existing sand filters vs. switching to a different type of media for tertiary filtration. The PDR determined that the most beneficial option is to change to a cloth media disk filter.

Status: Strategic Construction Solutions, Inc. (SCS) is continuing work on electrical upgrades required to operate the new equipment. Installation of Filter Bed #2 is complete. Programming for the new equipment is being finalized and start-up of equipment in Filter Bed #2 will occur in February.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

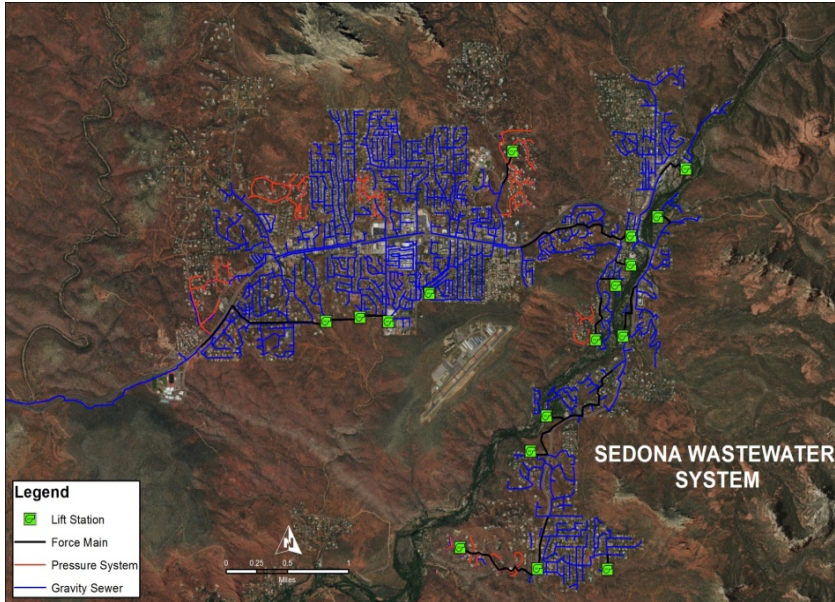
Project Phase	% Completion	Completion Date
Design	100%	Winter/Spring 2019
Construction	40%	Spring 2020



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SR179 Sewer Main Upsize

FY20 CIP Update



KEY FEATURES:

Consultant: Sunrise Engineering, Inc.

Contractor: Kinney Construction, LLC

Timing: Spring 2019 – FY 20

Construction Challenges:

- Potential by-pass operations
- Maintaining sewer service in the area
- Construction traffic control

Project Manager:

Roxanne Holland, PE

(928) 203-5069

RHolland@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE

(928) 203-5039

ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$654,000

Total Project Budget: \$690,000

The 2017 Wastewater Master Plan Update included an evaluation of collection system capacity using sewer modeling. The 8-inch sewer main that runs along SR179 between Highland Road and Copper Cliffs Drive showed minor surcharging and insufficient capacity. The project will increase the size of the sewer pipe to 12-inch, which will allow for sufficient capacity through system buildout flow conditions. The project will also replace a deteriorated 12-inch sewer line running under the pedestrian bridge at Tlaquepaque with new pipe.

Considerations for trenchless technology such as pipe bursting will be considered in order to minimize impact to the existing roadway.

Status: Council approved the Construction Manager at Risk Construction Services Contract with Kinney Construction (KCS) at the December 10, 2019 Council meeting. KCS is working with ADOT to secure an encroachment permit to complete the work. It is anticipated the permit will be issued in January 2020.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

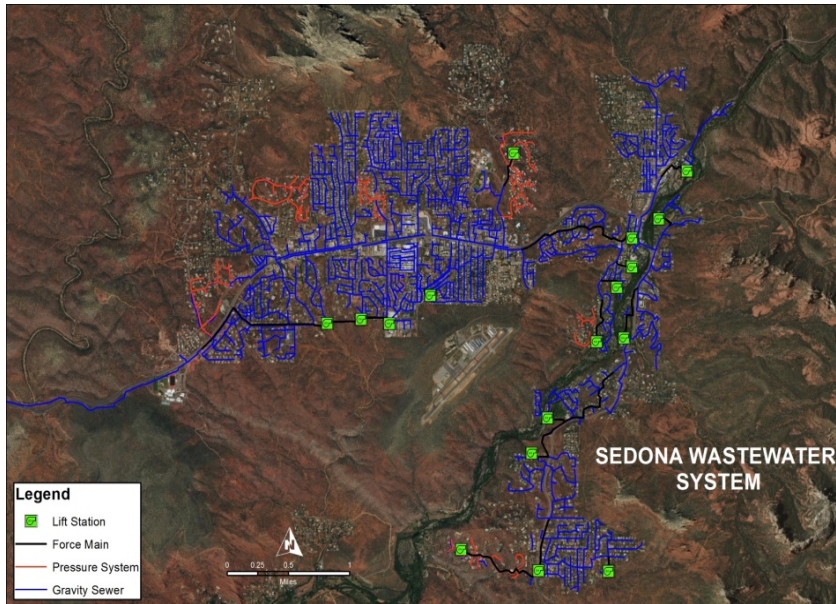
Project Phase	% Completion	Completion Date
Design	100%	Winter 2019/2020
Construction	0%	Spring 2020



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Brewer Road Force Main Valve Replacements

FY20 CIP Update



KEY FEATURES:

Consultant: TBD

Contractor: TBD

Timing: Spring 2020 – FY 21

Construction Challenges:

- Potential by-pass operations
- Maintaining sewer service in the area
- Valve accessibility

Project Manager:

Roxanne Holland, PE
 (928) 203-5069

RHolland@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE
 (928) 203-5039

ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$40,000

Total Project Budget: \$190,000

The 2017 Wastewater Master Plan Update (WWMP) included both condition assessments of existing sewer infrastructure and capacity analysis of the sewer collection system. During the evaluations, it was determined that the capacity of the Brewer Road Force Main is adequate for current and future flows, however the air release/vacuum breaking valves should be replaced in order to maintain proper functionality of the force main.

Status: Design for this project will begin in Spring 2020, with construction scheduled for FY2021.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	0%	Spring 2020
Construction	0%	Winter 2020



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WWRP Grit Classifier Replacement

FY20 CIP Update



KEY FEATURES:

Consultant: N/A

Contractor: Western Environmental
Equipment Company

Construction Challenges:

- Maintaining operation during construction

Project Manager:

Roxanne Holland, PE
 (928) 203-5069
RHolland@SedonaAZ.gov

City Engineer:

J. Andy Dickey, PE
 (928) 203-5039
ADickey@SedonaAZ.gov

\$ FY20 Project Budget: \$150,000
Total Project Budget: \$150,000

The grit classifier is an essential part of the wastewater treatment process. The grit classifier separates and removes grit after primary treatment (barscreens) prior to the aeration basins. The removal of grit (rocks, gravel, sand, and organic material) is important to keep solids handling and disposal to a minimum. This project will replace the existing grit classifier with new equipment.

Status: The Contractor and equipment manufacturer have submitted shop drawings for the new equipment and staff is currently reviewing for approval. Once approved, the equipment will be manufactured and installation is scheduled to begin in Spring 2021.

For a copy of this update, or updates for other projects, visit the projects website at: www.sedonaaz.gov/CIP.

Project Status

December 2019

Project Phase	% Completion	Completion Date
Design	50%	Winter/Spring 2019
Construction	0%	Winter 2019